

AMENDMENTS TO THE SPECIFICATION:

Page 1, prior to the Title, please insert:

TITLE OF THE INVENTION

Prior to Paragraph [0001], please insert the following:

CROSS-REFERENCE TO RELATED APPLICATIONS

Not Applicable

**STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
DEVELOPMENT**

Not Applicable

THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT

Not Applicable

**INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A
COMPACT DISC**

Not Applicable

BACKGROUND OF THE INVENTION

Field of the Invention

Prior to Paragraph [0004], please insert the following:

Description of Related Art

Prior to Paragraph [0008], please insert the following:

BRIEF SUMMARY OF THE INVENTION

Prior to Paragraph [00012], please insert the following:

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S)

Figure 1 is a graph of drum rotational speed v. time according to one preferred embodiment of the present invention;

Figure 2 is a perspective view of a washing machine according to a preferred embodiment of the present invention; and

Figure 3 is a diagrammatic front view of a washer drum according to the preferred embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

Delete original Paragraph [0012] and insert the following:

[0012] In this example, and with reference to Figure 2, a washing machine 10 with an intelligent expert system and a display indicator 12 on which important information is made visible to the user and with which a dialogue operation with the user is possible is taken as the starting point. The washer includes a drum 14 as seen in Figure 3 that is driven into rotation by a motor 18 controlled by a control system 20 in communication with the user input and display 12. The drum 14 is contained within a soap-solution container or housing 22. As seen in Figure 1, the program sequence is shown schematically by a speed-time diagram where specific details have been eliminated since these are not important for the

understanding of the invention. The washing machine is operated during the operations "wash" and "rinse" beginning at time t_{ws} at low speeds in reversing mode, i.e. with alternating direction of rotation. For reasons of simplification in the diagram the edges of the reversing cycles are shown as verticals whereas in reality the drum is accelerated slowly, i.e., in an energy-saving fashion, to the desired speed. The same applies to the reversing cycles of the anti-crease operation.

Delete original Paragraph [0013] and insert the following:

[0013] With reference to Figure 3, shown following the washing phase, identifiable from the high speeds, are a rinsing section and two spinning operations with an interposed loosening operation in which the laundry drum 16 is moved at reduced speed compared with the spinning but with an opposite direction of rotation. After the final spinning which is executed at the maximum speed, the actual washing program is ended at time t_{we} .

Delete original Paragraph [0014] and insert the following:

[0014] The following anti-crease operation is designed to loosen the laundry L in the drum and maintain this state over the time to prevent the laundry L already loosened in the drum from being pressed together again in an undesirable fashion by lying too long, creases from forming and making it difficult to remove the individual items of laundry. Apart from a short section at the beginning of the anti-crease operation, this program section following the spinning is determined by a reversal of the drum 16 at constant speed and the same duration of rotation and rest phases until a predetermined end t_e . The parameters for this section can be selected freely in which case the user is supported by the system of the washing machine in the fashion that the user is guided via the display 12. The programming of the anti-crease operation is described subsequently.

Delete original Paragraph [0016] and insert the following:

[0016] The values set by the user for the anti-crease operation are checked internally in the control system 20 for compatibility with the selected laundry care program, including the additional parameters. For example, if the user selects a too-high speed for delicate textiles, this is indicated in the display 12, for example by repeated flashing of the numerical value.

Delete original Paragraph [0018] and insert the following:

[0018] The first section after the spinning, beginning from the time t_{we} is controlled by the intelligent expert system and runs automatically. The duration of this first section depends on reaching of a target function, i.e., reaching predetermined variables of state which can be valid as the criterion for detachment of the laundry ring LR (See Fig. 3) adhering to the inner wall of the drum 14 after the final spinning and for a looser disentangled washing. Suitable for this are mechanical, acoustic and optical quantities such as, for example, the speed profile, torque, imbalance, impact noises, reflection and scattered light. The detachment of the laundry ring LR is monitored by measuring one or a plurality of variables of state at the beginning of the anti-crease operation in the reversing phases and comparing these with desired data which have been determined as the criterion for loosened and disentangled laundry. With reference to Fig. 1, the desired measured values are determined in a short analysis section (t_a) incorporated before the actual beginning of the wash program (time t_{ws}) in which the drum is moved in two short sections at various speeds. The speed of the first phase is equal to the speed selected for the anti-crease system and in the second phase the drum 14 is moved at the feed speed A. The measured values from the first section correspond to the desired state of a loosened disentangled quantity of laundry items strived for by the anti-crease system. During rotation of the drum 14 at the feed speed the state which is absolutely to be avoided as the final state is measured. Extreme deviations caused by loading the drum with wet laundry are corrected inside the control system. By means of this procedure the monitoring measuring device is re-

calibrated for each wash run. Especially as a result of the relationship between two measured values comparative values are determined with which errors during identification of a laundry ring LR, caused by various properties, especially very small loads or weight, caused by textile-specific properties or other rather random features of the washing, can be largely avoided.